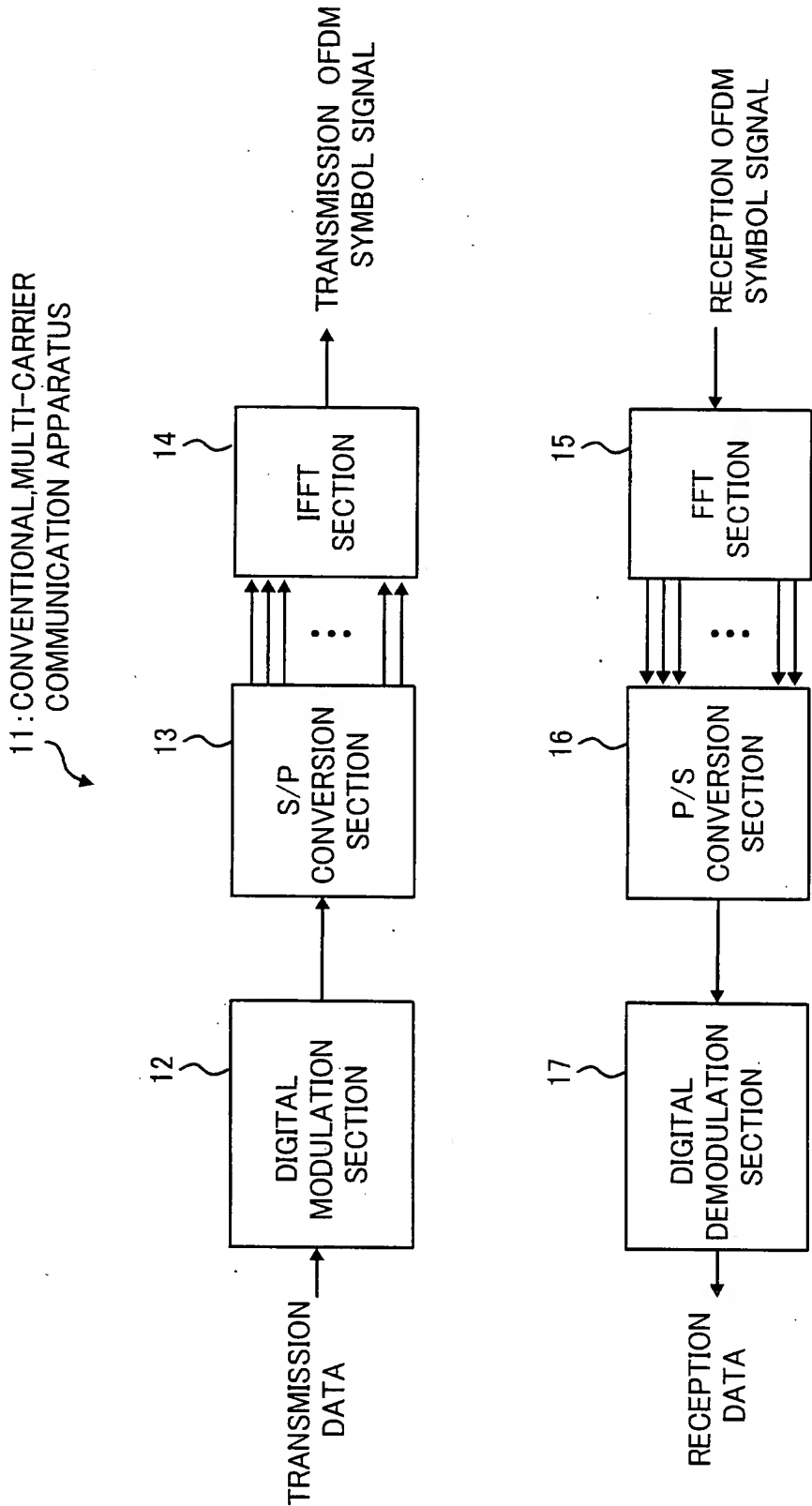


FIG. 31

REPLACEMENT SHEET

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RELATED ART
FIG.1

REPLACEMENT SHEET

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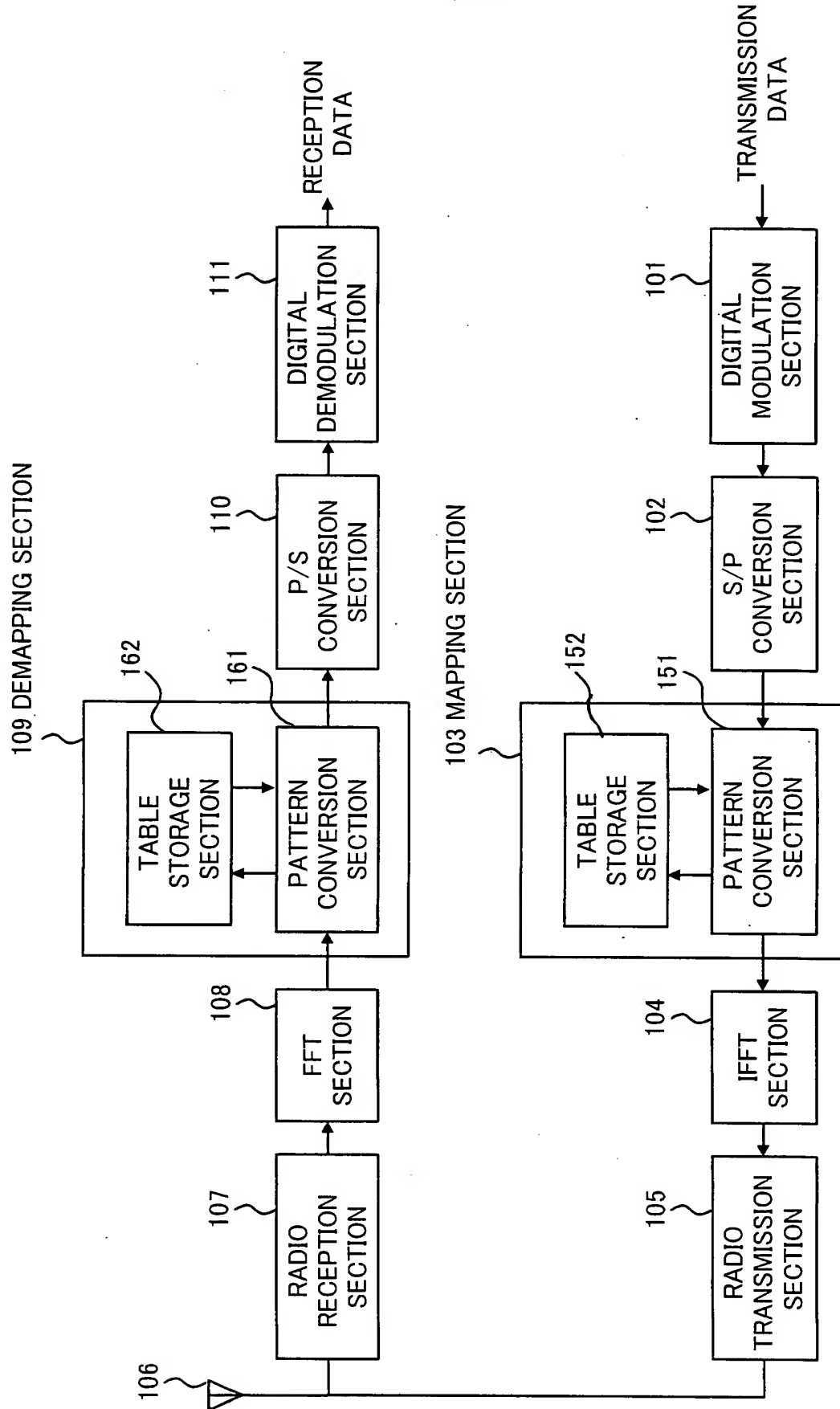


FIG.2

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FIG. 5

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PRE-CONVERSION OFDM SYMBOL PATTERN					POST-CONVERSION OFDM SYMBOL PATTERN				
f1	f2	f3	f4	f5	f1	f2	f3	f4	
+1	+1	+1	+1	+1	+1	+1	+1	0	
+1	+1	+1	+1	-1	+1	+1	-1	0	
+1	+1	+1	-1	+1	+1	-1	+1	0	
+1	+1	+1	-1	-1	+1	-1	-1	0	
+1	+1	-1	+1	+1	-1	+1	+1	0	
							.		
							.		
							.		
							.		
							.		
-1	-1	-1	-1	-1	0	-1	-1	-1	-1

FIG. 7

REPLACEMENT SHEET

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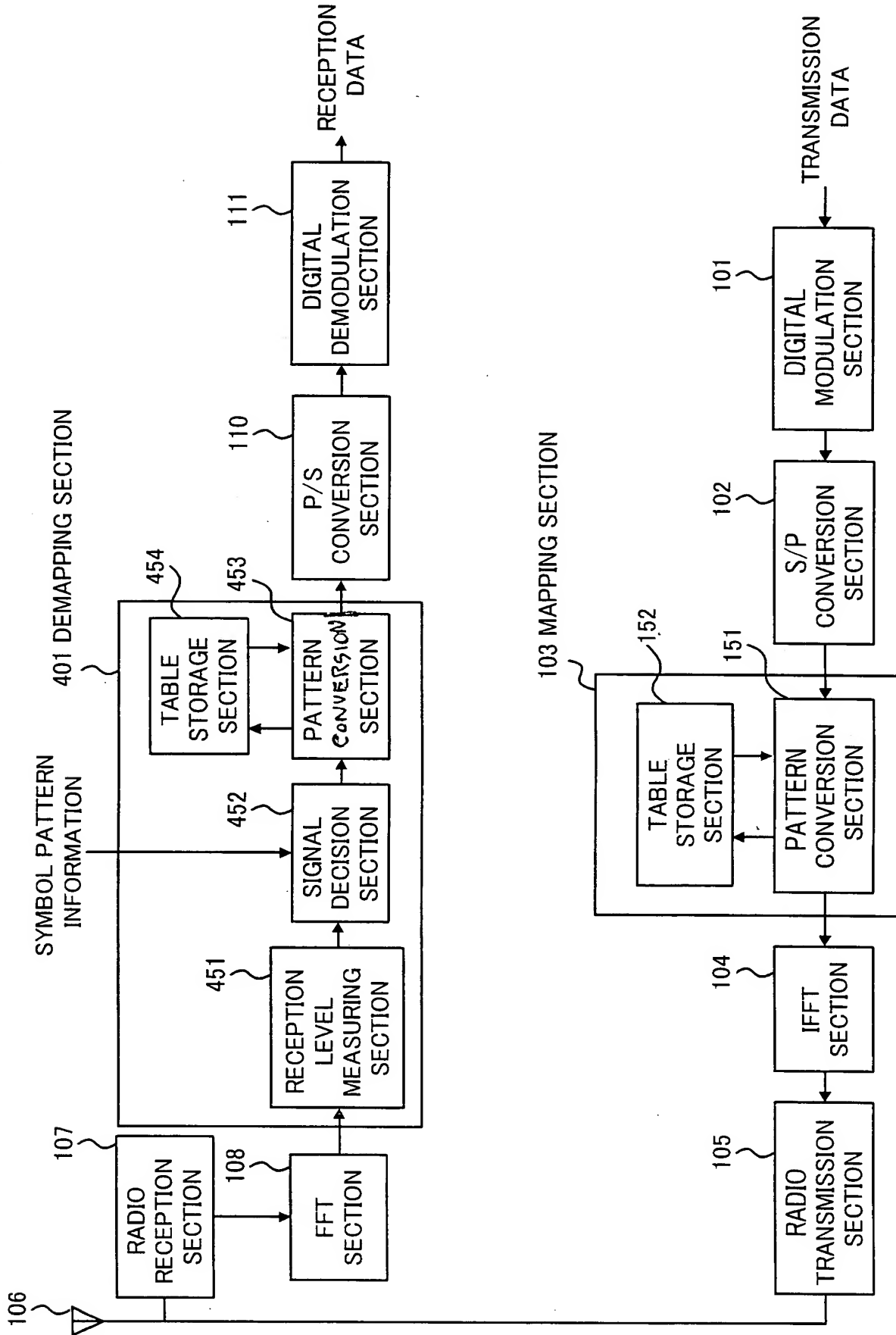


FIG.10

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[illegible]

FIG. 13

REPLACEMENT SHEET

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PRE-CONVERSION OFDM SYMBOL PATTERN					POST-CONVERSION OFDM SYMBOL PATTERN				
	f1	f2	f3	f4		f1	f2	f3	f4
PN1	+1	+1	+1	+1	P1	+1	+1	+1	0
PN1	+1	+1	+1	+1	P9	+1	+1	0	+1
PN2	+1	+1	+1	-1	P3	+1	-1	+1	0
PN2	+1	+1	+1	-1	P11	+1	-1	0	+1
PN3	+1	+1	-1	+1	P5	-1	+1	+1	0
PN3	+1	+1	-1	+1	P13	-1	+1	0	+1
PN4	+1	+1	-1	-1	P7	-1	-1	+1	0
PN4	+1	+1	-1	-1	P15	-1	-1	0	+1
...					...				
PN16	-1	-1	-1	-1	P32	0	-1	-1	-1
PN16	-1	-1	-1	-1	P24	-1	0	-1	-1

FIG.14

	PRE-COMVERSION OFDM SYMBOL PATTERN				POST-COMVERSION OFDM SYMBOL PATTERN					
	f1	f2	f3	f4	f1	f2	f3	f4	f5	f6
PN1	+1	+1	+1	+1	+1	+1	0	+1	+1	0
PN2	+1	+1	+1	-1	+1	+1	0	+1	-1	0
PN3	+1	+1	-1	+1	+1	+1	0	-1	+1	0
PN4	+1	+1	-1	-1	+1	+1	0	-1	-1	0
PN5	+1	-1	+1	+1	+1	0	+1	+1	0	+1
PN6	+1	-1	+1	-1	+1	0	+1	+1	0	-1
PN7	+1	-1	-1	+1	+1	0	+1	-1	0	+1
PN8	+1	-1	-1	-1	+1	0	0	-1	0	-1
					
					
					
PN15	-1	-1	-1	+1	+1	-1	0	-1	+1	0
PN16	-1	-1	-1	-1	+1	-1	0	-1	-1	0

FIG. 16

REPLACEMENT SHEET

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PRE-CONVERSION OFDM SYMBOL PATTERN									POST-CONVERSION OFDM SYMBOL PATTERN								
	f1	f2	f3	f4	f5	f6	f7	f8		f1	f2	f3	f4	f5	f6	f7	f8
PN1	+1	+1	+1	+1	+1	+1	+1	+1		+1	+1	+1	+1	+1	0	0	P101
PN2	+1	+1	+1	+1	+1	+1	+1	-1		+1	+1	+1	+1	+1	-1	0	P102
PN3	+1	+1	+1	+1	+1	+1	+1	-1		+1	+1	+1	+1	-1	+1	0	P103
PN4	+1	+1	+1	+1	+1	+1	+1	-1		+1	+1	+1	+1	-1	-1	0	P104
									...								
PN65	+1	-1	+1	+1	+1	+1	+1	+1		+1	+1	+1	+1	0	0	+1	P165
PN66	+1	-1	+1	+1	+1	+1	+1	-1		+1	+1	+1	+1	0	0	+1	P166
PN67	+1	-1	+1	+1	+1	+1	+1	-1		+1	+1	+1	+1	0	0	-1	P167
PN68	+1	-1	+1	+1	+1	+1	+1	-1		+1	+1	+1	+1	0	0	-1	P168
									...								
PN255	-1	-1	-1	-1	-1	-1	-1	-1		0	0	-1	-1	-1	-1	+1	P355
PN256	-1	-1	-1	-1	-1	-1	-1	-1		0	0	-1	-1	-1	-1	-1	P356

FIG.18

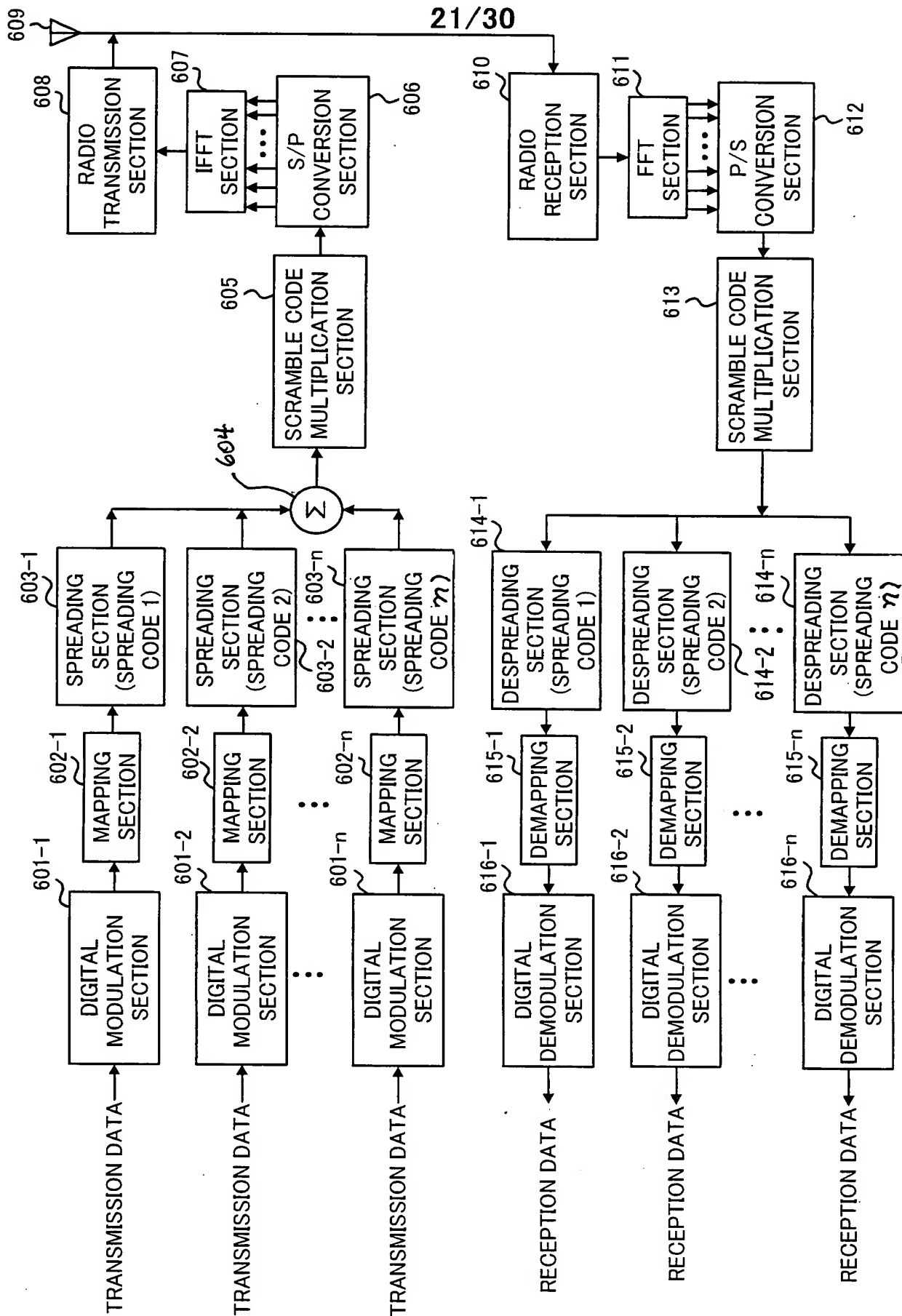


FIG.21

REPLACEMENT SHEET

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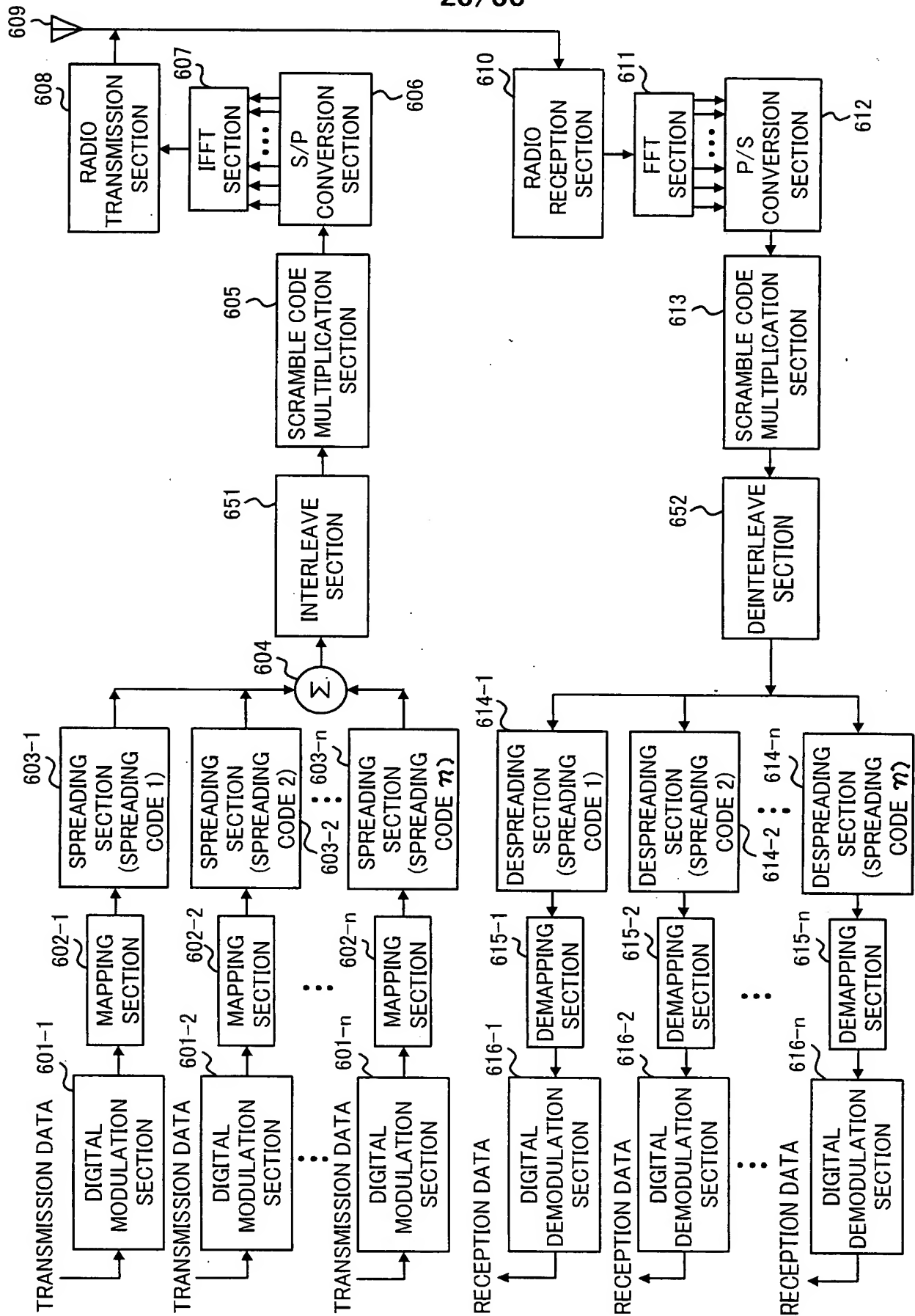


FIG.23

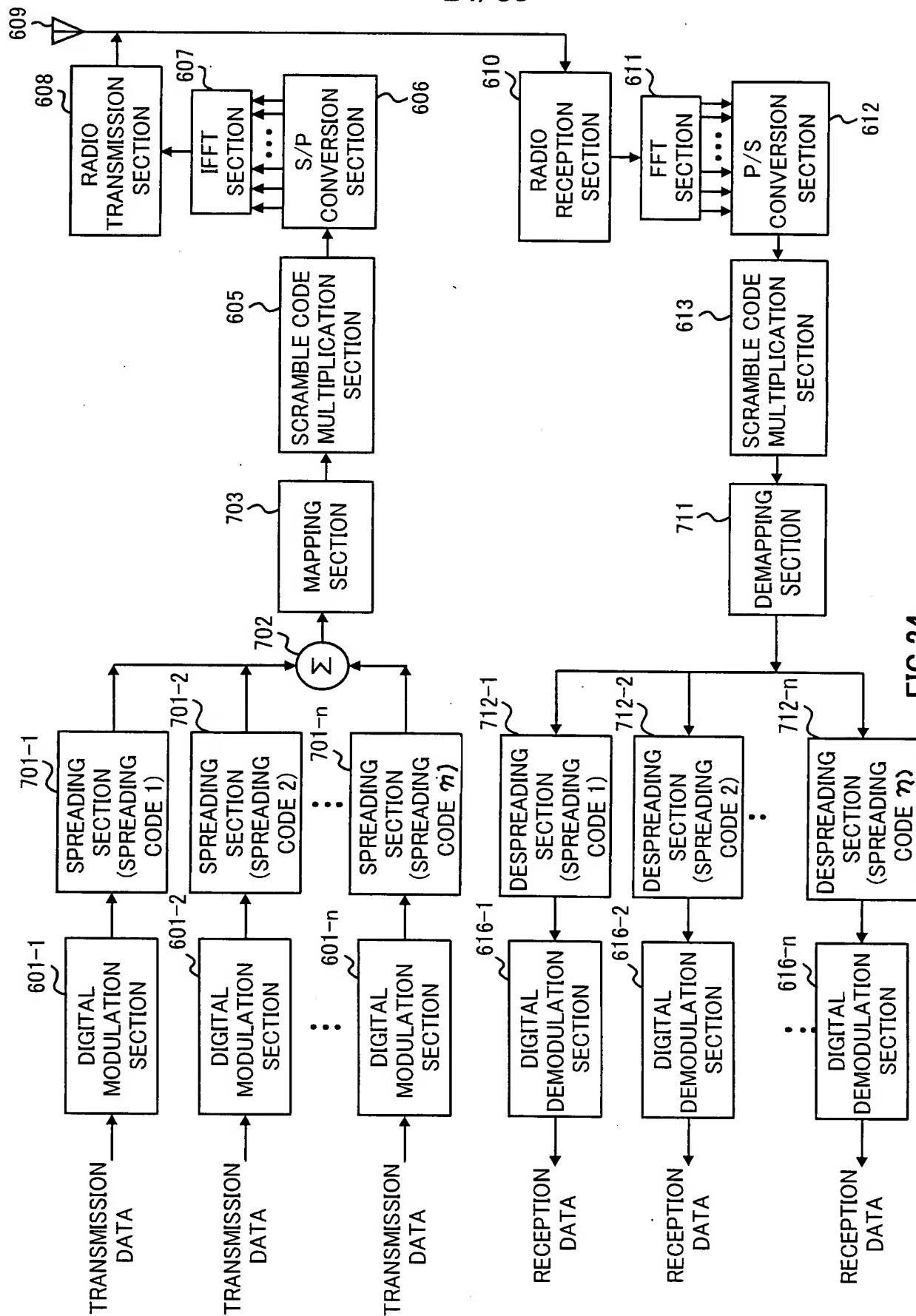


FIG. 24

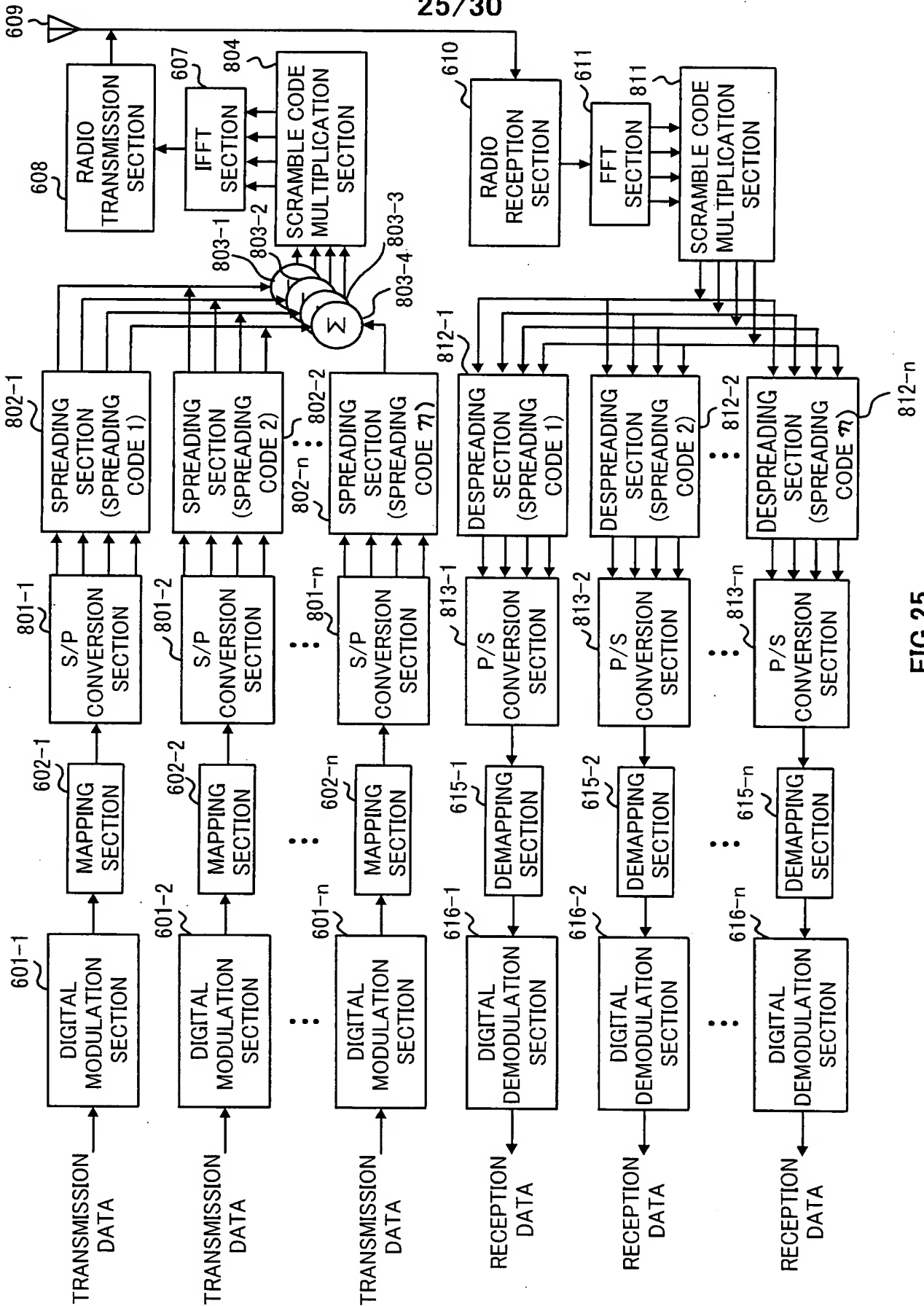


FIG.25

REPLACEMENT SHEET

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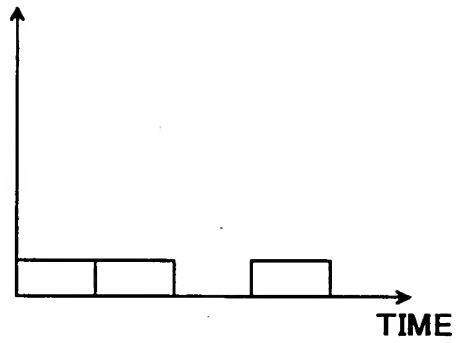


FIG. 26A

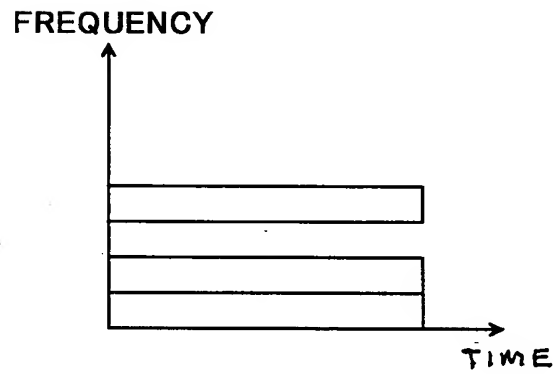


FIG. 26B

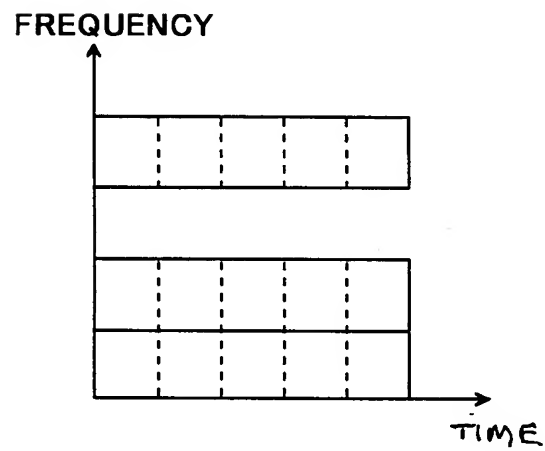


FIG. 26C

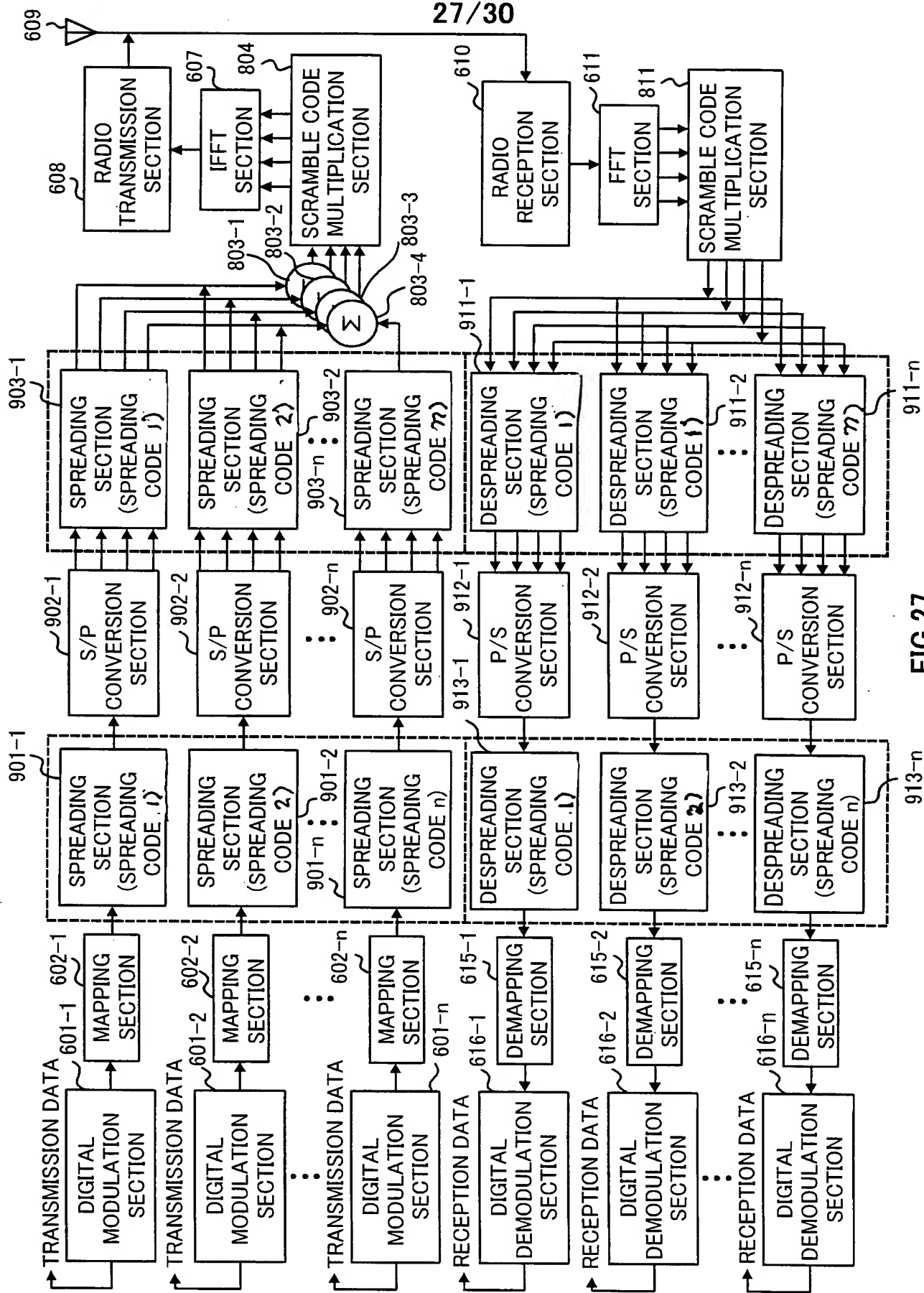


FIG. 27